

REMARKS

Claims 1-16 stand rejected under 35 U.S.C. §103 as being unpatentable over United States Patent No. 6,253,193 to Ginter et al. in view of United States Patent No. 5,832,083 to Iwayama et al.

Applicants respectfully submit that all of the features of independent Claims 1 and 7-15 are not disclosed in the cited references. Specifically, both the Ginter et al. reference and the Iwayama et al. reference fail to disclose or suggest the decoding of license information using the ID information of a plurality of physical elements in which “the license information is partially decoded by a first one of said physical elements, and then said partially decoded license information is sent to another of said physical elements to be decoded,” as defined in the independent claims.

As described on page 10 (line 21) through page 11 (line 3) of the present Specification, one problem to be resolved by the present invention is to prevent illegitimacy overlooked in the case where the license is produced from the usage environment specifying physical element, where the usage environment specifying physical element is simply a large sized device, and part of the device is illegitimate. The present invention prevents such illegitimacy by decoding the license partially by each of the physical elements, wherein the partially decoded license information is moved from one physical device to at least one other physical device for the decoding to be completed.

One example of an embodiment of the present invention that includes this feature is shown in Applicants’ Figure 14, which is described on page 41 of the present application. In this embodiment of the license decoding process, the encrypted license includes, among other things, the

ID's of the following physical elements --the storage device (device serial number 141), the medium (medium serial number 143), and the reproduction device (ID of reproduction device 144).

Briefly, when the correct conditions are present, the encrypted license information is partially decoded by the storage device 140, and the partially decoded license is sent to the reproduction device 144, which in turn completes the process of decoding the license. More specifically, in this embodiment, the license generated by the license server 40 has been encrypted by encrypting the access control list (ACL) and the content decode key (Kc) using the key Kp, which is the physical element ID of the reproduction device 144. The license has been further encrypted by using, as a key, the value of the exclusive OR of the DSN 141 and the MSN 143. During decoding, the storage device 140 first reads the MSN 143, and the exclusive OR is calculated between it and DSN 141, whereby the license is partially decoded into { ACL, Kc }Kp. The partially decoded license is then sent to the reproduction device 144, which completes the decoding process of the partially decoded license using the key Kp, which is comprised of the physical element ID of the reproduction device 144. If the access conditions have been satisfied, the content decode key Kc can then be used to decode the content, and the decoded content can be reproduced by the reproduction device.

In contrast, in the device of Ginter et al., license information does not appear to be partially decoded by a first physical device, which partially decoded information is then passed through to a second physical device for final decoding and use. Instead, full decoding appears to take place by referencing each physical device separately, without passing license information through one physical device to a second physical device.

To remedy this deficiency, the Examiner has relied upon the Iwayama et al. reference. However, the Iwayama et al. reference also fails to disclose or suggest a device in which license

information is partially decoded by a first physical device, and where the partially decoded information is then sent to a second physical device for final decoding and use. As described in column 9 (line 37) through column 10 (line 37) of the Iwayama et al. reference, while making reference to Figure 1, all of the decoding in this device appears to occur within a single physical element (the information transforming (converting) section 1), and there is no disclosure or suggestion of partially decoding license information, nor of sending partially decoded license information to another physical device.

More specifically, in the system of the Iwayama et al. reference, the information transforming (converting) section 1 retrieves encoded data content and encoded content ID information from the data storing section 3. Then, the information transforming (converting) section 1 receives encoded utilization permission information from the utilization permitting device 2, and the information transforming (converting) section 1 decodes the encoded utilization permission information to generate a decoding key. The information transforming (converting) section 1 uses that decoding key to decode the encoded data content and the encoded content ID information. The decoded content ID information is compared against the content ID information input by the user, and if they coincide, the decoded data content is output to the user. Although the Examiner is correct in asserting that the Iwayama et al. reference teaches a plurality of physical elements, in the Inayama et al. reference, all decoding takes place within a single one of those physical elements. Thus, the Iwayama et al. device fails to disclose or suggest partial decoding of license information, where a portion of the decoding takes place in one physical element and that partially decoded license information is sent to another physical element for additional decoding.

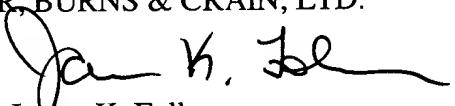
Accordingly, as all of the features of independent Claims 1 and 7-15 are not disclosed in the Ginter et al. reference and/or in the Iwayama et al. reference, Applicants respectfully request the withdrawal of this §103 rejection of independent Claims 1 and 7-15 and associated dependent Claims 2-6.

For all of the above reasons, Applicants request reconsideration and allowance of the claimed invention. The Examiner is invited to contact the undersigned attorney if an interview would expedite prosecution.

Respectfully submitted,

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By


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